

IND CubeSat Communications Briefing Workshop

10 Nov 2015

- Introductions to Relevant Organization
- Communications Policy
- Strategy for Cubesats and the DSN
- DSN Engineering Approach and Anomaly Response
- IND Cross Support & Spectrum Management
- Other Ground System and Navigation Services
- Iris Radio Overview
- Questions & Discussions - 20 minutes

IND CubeSat Communications Briefing and Technical Interchange

- Briefing Topics:
 - SLS Deployment/Release Considerations – Glen (10AM – 10:25AM)
 - Secondary Payload Users Group (SPUG) information available to projects – timeline to release from ICPS
 - DSN support postures available to support multiple spacecraft
 - Discussion Point- Limitations from the Operations duty cycle, e.g. – amount of time available for downlink
 - DSN Commitments – Steve (10:25 – 10:50AM)
 - DSN Service Catalog 820-100 and 810-005
 - Costs: RF Aperture Fee, Services, MIM, Office 922 adaptation
- **Break – 10 mins**
 - MGSS Commitments – Eleanor (11:00 – 11:10AM)
 - AMPCS and Consultation interfaces and services
 - Costs
 - Morehead State University Antenna task - Jay Wyatt (11:10 – 11:35)
- **LUNCH: 11:45PM – 1PM**
- Technical Interchange Topics
 - IRIS radio details – Courtney or Kris (1:00 – 1:30PM)
 - Power, thermal concerns and limitations upon the user community
 - Q&A from flight projects
- **Break – 10 mins**
 - DSN Interfaces – Jeff and, or, Andrew and Tim (1:30 – 2:00PM)
 - Telemetry (SLE), Tracking, Command (SLE), Monitor, DOR, Service Preparation and Management
 - MGSS Interface – Eleanor (2:00 – 3:00PM)
 - AMPCS (SLE)
 - NAV
 - MPS Editor
 - MRSS